

HenkelHENKEL CONSUMER ADHESIVES
50 WEST DRIVE
BRAMPTON, ONTARIO CANADA L6T 2J4
(905) 459-1140

PRODUCT : LOCTITE XTREME REPAIR



SECTION 01: PRODUCT INFORMATION

MANUFACTURER.....HENKEL CONSUMER ADHESIVES
50 WEST DRIVE
BRAMPTON, ONTARIO
CANADA ; L6T 2J4
(905) 459-1140
AFTER HOURS - CANUTEC (613) 996-6666

WHMIS CLASSIFICATION.....D2A. D2B. WHEN THIS PRODUCT IS LABELLED AS A CONSUMER PRODUCT IT IS EXEMPT
FROM WHMIS REGULATIONS. (SEE SECTION 12(f) OF THE HAZARDOUS PRODUCTS ACT).

T.D.G. CLASSIFICATION.....NOT REGULATED

PRODUCT NAME.....LOCTITE XTREME REPAIR

CHEMICAL FAMILY.....SILOXANE

MATERIAL USE.....SEALANTS & CAULKS

SECTION 02: HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS | % | EXPOSURE LEVELS | C.A.S. # | LD/50, ROUTE, SPECIES | LC/50, ROUTE, SPECIES |
|------------------------------|-------|------------------|------------|-----------------------|-----------------------|
| Silica | 10-30 | 10 mg/m3 (ACGIH) | 7631-86-9 | >3.1g/kg, oral, rat | Not available |
| Ethyl triacetoxysilane | 1-5 | Not available | 17689-77-9 | Not available | Not available |
| Methyl triacetoxysilane | 1-5 | Not available | 4253-34-3 | >2.0g/kg, oral, rat | Not available |
| Octamethylcyclotetrasiloxane | 0.1-1 | Not available | 556-67-2 | 1.54g/Kg, rat, oral | |

SECTION 03: PHYSICAL DATA

PHYSICAL STATE.....Paste

APPEARANCE & ODOUR.....Smooth paste with acetic acid odor

ODOUR THRESHOLD (ppm).....No data available

VAPOUR PRESSURE (mm Hg).....< 5 at 25 deg C

VAPOUR DENSITY (AIR=1).....> 1

VOLATILES %

BY VOLUME.....Not applicable

BY WEIGHT.....Not applicable

EVAPORATION RATE.....Not available

BOILING POINT.....Not available

FREEZING POINT.....Not available

pH.....Not available

SPECIFIC GRAVITY.....1.03

SOLUBILITY IN WATER (% W/W).....Insoluble in water

COEFFICIENT OF WATER/OIL.....Not applicable

DISTRIBUTION

SECTION 04: FIRE & EXPLOSION DATA

FLAMMABILITY.....No

IF YES, UNDER WHICH
CONDITIONS?

AUTO IGNITION TEMPERATURE.....Not available

EXTINGUISHING MEDIA.....Water fog; Foam; CO2; Dry chemical

SPECIAL PROCEDURES.....Fire fighters should be equipped with self-contained breathing apparatus
to protect against potentially toxic and irritating fumes. Use water to
cool exposed containers.

FLASH POINT (C), METHOD.....Not available

UPPER FLAMMABLE LIMIT (% VOL).....Not applicable

LOWER FLAMMABLE LIMIT (% VOL).....Not applicable

HAZARDOUS COMBUSTION PRODUCTS....Silicon dioxide, carbon dioxide and unknown carbon products. Formaldehyde

EXPLOSION DATA

SENSITIVITY TO STATIC.....None

DISCHARGE

SENSITIVITY TO IMPACT.....None

RATE OF BURNING.....Not applicable

EXPLOSIVE POWER.....Not applicable

SECTION 05: REACTIVITY DATA

CHEMICAL STABILITY:

YES.....Stable under normal temperature and pressure.

NO, WHICH CONDITIONS ?

COMPATIBILITY WITH OTHER
SUBSTANCES:

YES

NO, WHICH ONES?.....Air and moisture cause polymerization and acetic acid vapours are formed.
Strong oxidizing agents

PRODUCT : LOCTITE XTREME REPAIR**SECTION 05: REACTIVITY DATA**

REACTIVITY CONDITIONS ?.....Moist air. Product cures in presence of moist air releasing acetic acid vapours.
HAZARDOUS PRODUCTS OF.....Silicon dioxide. Oxides of carbon (CO,CO2) at high temperatures.
DECOMPOSITION

SECTION 06: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN CONTACT.....May cause irritation, especially on prolonged contact.
SKIN ABSORPTION.....No data
EYE CONTACT.....Irritating, and may injure eye tissue if not removed promptly
INHALATION.....Air and moisture cause polymerization and acetic acid vapours are formed.
High concentrations may cause headaches and nausea. Vapours may be irritating to respiratory system and nasal passages
INGESTION.....Considered slightly toxic. No hazard in normal use. May cause nausea and vomiting.
EFFECTS OF ACUTE EXPOSURE.....Evolution of acetic acid during curing causes irritations to skin, eyes and respiratory tract. After curing, product is considered as inert.
EFFECTS OF CHRONIC EXPOSURE.....Teratogenic and reproductive toxicity.
LD 50 OF MATERIAL, SPECIES &.....See hazardous ingredients section (2)
ROUTE
LC 50 OF MATERIAL, SPECIES &.....See hazardous ingredients section (2).
ROUTE
EXPOSURE LIMIT OF MATERIAL.....Acetic acid: 15 ppm TLV STEL (ACGIH), (local authorities should be consulted for acceptable provincial values). See hazardous ingredients section (2)
IRRITANCY OF MATERIAL.....Refer to route of entry
SENSITIZING CAPABILITY OF.....Refer to route of entry
MATERIAL
CARCINOGENICITY OF MATERIAL.....None known
REPRODUCTIVE EFFECTS.....A component of this product exhibited evidence of reproductive effects in laboratory tests
SYNERGISTIC MATERIALS.....None known

SECTION 07: PREVENTATIVE MEASURES

PROTECTIVE EQUIPMENT
GLOVES/ TYPE.....During prolonged contact impervious gloves should be worn.
RESPIRATORY/TYPE.....Use NIOSH approved respirator for organic vapours. Avoid prolonged or repeated breathing of vapour or mists. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent overexposure.
EYE/TYPE.....Safety glasses with side-shields
FOOTWEAR/TYPE.....Standard work shoes.
CLOTHING/TYPE.....Standard work clothes.
VENTILATION REQUIREMENTS.....Ventilate adequately. Consult local authorities for acceptable exposure limits. Good industrial practice dictates that indoor work areas be isolated and provided with adequate local exhaust ventilation. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.
LEAK/SPILL.....Ventilate area. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water; collect wash water for approved disposal. Do not flush to storm sewer or waterway. Wear appropriate protective equipment during cleanup.
WASTE DISPOSAL.....In accordance with municipal, provincial and federal regulations. Do not release into environment.
HANDLING PROCEDURES AND EQUIPMENT.....Avoid breathing vapours. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Wear chemical splash goggles, gloves, and protective clothing. Acetic acid vapours are formed during curing process of this product. Ensure adequate ventilation at workplace. Avoid smoking, drinking or eating in use. Do not take internally. Wash thoroughly after handling.
STORAGE NEEDS.....Store product at between 5 and 25 degree celcius sheltered from air moisture. KEEP AWAY FROM CHILDREN.
SPECIAL SHIPPING INSTRUCTIONS.....None.

SECTION 08: FIRST AID MEASURES

SKIN CONTACT.....Remove contaminated clothing. Wash affected area(s) thoroughly with soap and water. Consult a physician.
EYE CONTACT.....Immediately flush with water for a minimum of 15 minutes holding lids apart to ensure flushing of entire surface. Washing within 1 minute is essential to achieve maximum effectiveness. Obtain immediate medical attention.
INHALATION.....Remove to fresh air. If breathing is difficult, give oxygen. Administer artificial respiration if not breathing. Obtain medical attention.
INGESTION.....If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

SECTION 09: PREPARATION INFORMATION

PREPARED BY:.....Regulatory Affairs
TELEPHONE NUMBER:.....(905) 459-1140

PRODUCT : LOCTITE XTREME REPAIR

SECTION 09: PREPARATION INFORMATION

DISCLAIMER2:.....All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by Henkel Consumer Adhesives as to the effects of such use, the results obtained, or the safety and toxicity of the product nor does Henkel Consumer Adhesives assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

PREPARATION DATE.....JUL 03/2003

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